

U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF BIOLOGICAL SURVEY

Form Bi-689

FIELD DIARY

Mr. *Vernon Bailey*
Washington D.C.

(Official title.)

Oregon 1930
Period, _____ to _____

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Nov. 21 Portland, Oregon ¹⁹³⁰

Arrived at Portland 7:35 AM
and went to Hoyt Hotel across
the street from the post office.

Got a much needed bath and
started on field reports for Washington.

Nov. 22 - Wrote all day,

Lunched at Oyster Loaf and
panned Olympia oysters, delicious.

Nov. 23 - Sunday. Went to
Jewett's for dinner and had
wonderful view of Mt. Hood and
St. Helens.

Warm and smoking and
lots of sales of Chrysanthemums
in blossom.

Nov. 24 - Portland to Eugene.

Had Conference with Jewett and Gabrielson and Bacon in forenoon. Went to lunch with Jewett & Brailuy and saw Brailuy's egg and skin collection the most perfect I ever saw. with many rare species.

At 3 P M started for Eugene with Elmer Williams with his Ford roadster truck and arrived 6:15, 124 miles on good roads with a good driver and comfortable car. Met Chester Hight our trapper at Eugene and planned trip for tomorrow.

Wonderful view of Hood and St. Helens & Adams & the peak of Jefferson but dark before we reached a view of Three Sisters warm and pleasant.

1930
Nov. 25, Eugene, Oregon.

Started out for poison line at 8 AM
west of Raccoon Cottage Grove. Followed
trail for 4 miles over ridges in
heavy timber with Chestnut Height ^{to the terrain}.
No bait stations used but poison
in lead balls had been placed
along the sides of trail through
woods. Many were found, some
were missing, a few had been
nibbled by mice or squirrels.
One Peromyscus gambeli found
dead near a bait was all we
found but half a dozen Coyotes
had previously been found along
this line. We saw remains of two
that had not been saved.

Mr. Hart reports 100 coyotes taken
in this region in four years
but probably as many were
killed by poison as not food.
Only 14 trapped.

Chester Hight Eugene.

Coyotes, 100 in fur traps, only 14 in traps
probably as many was poisoned out of
Lacervans - 4 taken, all poisoned
Skunks - not over six, all poisoned.
Spilogale - 3 poisoned.
Peromyscus - A few poisoned
~~Beaver not poisoned~~
Canis - one poisoned
Deer - One caught in trap yesterday.
Bear - 1 poisoned and 2 trapped
Dogs - a few poisoned
Blue grouse, One caught in Coyote trap.
Oregon Robin, One caught in trap
trap.

Many sheep, goats, deer, and
game birds killed by Coyotes.
Droppings found along trail

Returned to Eugene at
1 P M and saw County Agent
in afternoon. Mr. Fisher,
Has given out no poison.

Saw county Judge and petition
he had received against using poison
in Lin. Co. signed by 93 residents
of Row River Valley, SE of Eugene.
This is a good deer country and
everybody keeps hounds for running
deer. They also keep sheep but care
more for their hounds. It is
a region long famous for poachers
and settled by old timers.

They say the poison kills more
fur bearing and valuable animals
than the coyotes. They want
to use "varmint dogs" for hunting
coyotes, cats and crows and
prefer to control such animals
themselves. Let em.

But they want to cut out any

money in the county budget for coyote
control and leave the rest of the
county without protection.
Another hearing will be held tomorrow.

Chas. Hight keeps coyotes
down to practically harmless numbers
in two large counties Lane and
Linn, really controlling them
in half of Western Oregon as
no other trappers operate nearer
them Marshfield and Rogue River
Valley. To cover this large
area he uses poison almost entirely
all the year around and places
a line for some local farmer
to go over and keep watch of.
He also gives out prepared
poison baits to many sheep
men and farmers to use on
or near their own places.
This an exceedingly economical
and efficient method of control
and enables one man to cover
a large territory.

He says there are no weasels,
no mink, no foxes in his area

He gets a very few coons, skunks and Spillgale but of little value at any time.

Keeping the coyotes under control has kept deer abundant and we saw numerous tracks today where they had followed the trail and eaten all the fresh mushrooms they could find. Cattle and sheep also eat them as do squirrels and mice and many birds. They are very numerous and of many kinds. Largely *Russula*, *Politas*, *Caerul*, fairy rings and a snow white form I never saw before.

Went through miles of wonderful ancient, untamed woods. full of ferns and the ground carpeted with *Hypnum* and other masses.

A heavy frost in morning, the first, but many cases of Chupautinians were not killed. A warm clear day. Collected cans of Coyote droppings.

Nov. 26 - Eugene up McKingie River
Chester Hight took me up.
The McKingie River about 15 miles
to Frank Haagen's farm just
across the river from the road.
Went over a poison line but
where 6 or 7 coyotes had been
killed but found only one dead
and very old *Spilogale*.

Got plenty of coyote droppings
mostly made up of goated deer hair.

Saw a lot of fresh deer tracks.
several ruffed grouse, one
mountain quail.

Returned to Eugene at noon
and to Portland at night.

Mr. Haagen keeps several
hundred sheep and has just
sold his flock of goats.

Has a beautiful place of 1400
acres, meads, falls, springs, forest,
timber bottoms & good crops.

Dogs kill more sheep than do coyotes.
Lane pays 3000 or 4000 dollars a
year for sheep killed by dogs as long
as the dog tax money lasts. Linn Co.,
about the same. Most of the dogs
are kept for raising deer, some
for variant dogs & coon hunting.

Last fall a police dog got left
by an automobile near Cottage
Grove and went wild, killing
27 sheep and goats before it was
poisoned - probably were not found.

Two years ago a police dog
near Grants Pass killed a child
and tore it all to pieces.

They are much worse than coyotes
or wolves when uncontrolled.
Are only half tamed wolves.

On return trip, to Portland
9 California Jackrabbits were counted
crushed in the road between
Eugene and Salem, all freshly
killed within a day or two.
None seen alive.

Killdeer - 2 in field near Salem
Mourning Doves - 3 near Albany.

Nov. 27 Thanksgiving Day,
Finished my writing,
packed baggage for trip,
Went to Jewetts for Thanksgiving
dinner

Packed two cans of coyote
droppings to go by mail.

Nov. 28, Portland to Grass Valley.
Left Portland at 10 AM
with Elmer Williams and drove
up the Columbia Highway to
The Dalles, then to Dufur to see
trapper Mayhew. He had just brot
in one coyote and did not
expect any more today on his
poison line so we went on
across the Des Chutes at
Shearers Bridge and east to
Grass Valley where trapper
Stone has out a lot of baits.
Arranged to go with him
in morning and went to hotel
for night.

Foggy and misty in morning but
cleared up until we struck foot
and fog on the high country
near Dufur. Frost and fog
again on hills east of Des Chutes.
but not much snow.

Nov. 29 - Left Grass Valley at
8 AM and went over trap line
with trapper. Stopped along the
crest of west rim of John Day
Canyon and at head of big
gulch leading down to west.
Examined 3 of his poison stations but
got only one coyote and found
two eagles eating it. They had
torn the skin to tatters and eaten
most of the meat and insides.
Only the scalp could be saved.
It was about 100 yards from the
dead horse where poisoned.

Ravens were eating on both
the other horses, 6 on one and 2 on
the other. None had been killed as yet
but they soon will be.

Saw a few magpies and later
in the day on Willow Creek below
Huffman a flock of 100 or more magpies.
Saw a few along the road and a few nests.

Patheas Geese - About 1,000 seen on sandbars and in still pools in the Columbia and one flock of 50 near Moro over the high prairie where they feed in the stubble and growing grain fields.

Ducks. A few in Columbia River

Eagles - 2 seen eating coyote, probably Golden. Destroy many coyote skins.

Ravens - About a dozen seen.

Very numerous and feed along cliffs of Columbia & probably kill young geese.

Maggies - A few seen along way and one flock of 100 or more below Heppner.

Sparrows - 1 seen on Willow Creek

Horned larks - A few seen near Grass Valley and Moro.

Juncos - many seen.

Got lunch at Moro and then drove down the highway to the Columbia and up it to Heppner and up Willow Creek to Heppner arriving at 5 P.M. after dark.

Was much impressed by the deep canyons and side gulches with steep grassy slopes that can be used only by sheep. Many farms are half good wheat land and half good sheep land and many sheep are kept by the best farmers as well as by some large sheep men who make this their business.

Farmers are generally prosperous and have good homes with a variety of stock and poultry and the control of coyotes magpies and ravens is important for all of them.

Talked with a sheep farmer near Moro, Mr. May, and saw how important sheep are for steep lands.

In evening at Hepler met the County Agent, Chas W Smith, and he assured me that no poison was given out except to well known cooperators.

Met a number of sheep owners who were loud in their praise of the B.S. control of Coyotes.

Bruce Kelley is one of the largest sheep owners in the state and Garrett Barrett and his father have 9500 sheep. Lost 163 sheep in 4 months by Coyotes over on North Fork of John Day this year.

Had 44 killed in 2 nights last year in same region - Our man Knoblock has cleaned them out recently so there are few left.

Nov. 30 With Elmer Williams and Adam Knoblock drove over to Zupers Ranger Station and beyond into edge of North Fork John Day Valley to examine several poison stations put out for Coyotes before the snow.

Found no coyotes and only one track but five had been killed there recently and 3 at another place.

Saw hundreds of tracks of elk and deer, some badgers and porcupines, Jack rabbit (both kinds), snowshoe rabbits and cottontail tracks up in timber. Red squirrels, weasels and mice tracks.

Snow begins with yellow pines and gets a foot deep on high cold slopes. Was 30 inches last week. Clear and warm and pleasant on snow, Cold and

To Zupper R.S.

Ruffed Grouse - 1 seen, scarce
Blue Grouse - scarce -
Golden Eagle - 1 seen above Heppner
Pheasants - 4 seen above Heppner.
Flickers - 2 seen
Magpies - A few poisoned & nests seen.
Crows - heard.

Elk - Hundreds
Mule deer - "
Pine squirrel - common
Lepus townsendi - A few
" wallacensis "
" baileyi "
Sylvilagus nuttallii "
Porcupine - Many
Coyote - A few
Bobcat - scarce
Bear - Hibernated Nov. 15,
Badger - fresh holes
Weasel - several tracks

foggy below to near Heppner
 No fog lower down but all cloudy.
 Heavy frost in fog belt &
 telephone wires are much thick
 with frost and many broken down.
 Has been foggy for 10 days or
 more. The fog belt seems to
 be the wheat belt.

Dec. 1, Happers to La Grande

Left Happers & AlM and drove to Pendleton where we saw the County Agent, Walter A. Holt who is also secretary of the Oregon Wool Growers Assn. He is a char thinker and says we are not giving the information to the people we should. Also suggests that Gabrielson use more publicity for our work instead of writing so much for pay, and giving so much time to outside work.

Saw John Erion, forest supervisor at Pendleton who looks for a great increase in game, deer, elk and antelope since the coyotes were reduced in numbers.

Saw sheep men, Fred Falconer, largest owner in Oregon, 50,000 or so, & Wm. Hoke, a large sheep owner.

They were much pleased with our work but wanted it pushed harder.

Happens to La Grande

Lepus campestris - a few dead in road
Lepus wallacensis - a few dead in woods back
Lepus tuxti - tracks common on mountains
Sylvilagus nuttallii - One dead in road
Weasel, Elmer Williams found one killing a Lepus campestris
near John Day River a year ago.

Golden eagles - 4 seen along road
Magpies - a few seen
Swainson's hawk - 1 seen on pole near road
Shrike - 1 seen
Otocoris - Several flocks seen.
Raven - 1 seen on road
Ducks - many in reservoir on Little Creek
Pheasants - a few seen along way.

At La Grande we saw
County Agent Avery and
Forest ranger Tucker

Missed our trappers at Meacham
and Canby but left word for them
to join us at La Grande in morning.

Snow all over summit a foot to
two feet deep. Was 30 inches last
week but the road has been scraped
and is clear and dry.

Smog fog up to edge of snow and
timber, clear above, or partly clear,
and began snowing as we reached
La Grande. Snowed on miles but
warm and mostly melted. The
valley was all bare ground before
it began.

Went to Sacajewea Hotel one
of the best in Oregon and of very
moderate rates.

Dec. 2

Coyotes - a few tracks
Badgers - a few tracks and burrows
Weasel. - fresh tracks seen
Weasel. - one seen on river.
Jack rabbit. - a few tracks in open
Snowshoe rabbits - a few tracks seen
Red squirrels
Porcupines - Many tracks in aspen
and hundreds of trees peeled by them.
dozens killed.
Thomomys hills, fresh on snow.

Dec. 2 La Grande to Baker

Went with trappers Robbs and
Kinnison over a paerson line
Southwest of La Grande in the
upper Valley of Grand Ronde
River, but got no coyotes.
Five had been picked up there
before the snow but a few are
still there. Up in timbered
country above the fog and
over 6 inches of solid snow.
Clear and sunny and warm up
there. chilly and dull in the
fog and below. A little new
snow in Grand Ronde Valley.

After 4 PM drove to
Baker and got hold of
trapper Shoemaker and planned
trip with him in morning.

Baker Oregon, Dec. 3.

Lynx vinta - 1 big male, 27 lbs., in trap
Caught with scent, fish and other smells.

Coyote - A few fresh tracks

Badger - a few holes

Lepus deserticola - Abundant

Sylvilagus nuttallii - Tracks com.

Brachylagus, abundant. holes, many burrows.

Weasel - fresh tracks abundant

Roughleg hawk, 1 seen.

Sage grouse - 50 or more.

Coot, one with tame geese in yard

Ravens, heard

Crows, 3 seen

Magpies - A few seen.

Pheasant - 1 seen. Many at Herford

Snipe 1 northern

Dec. 3 - Baker to John Day

Went out with Trapper Shacwaker
and got a big bobcat in trap,
weighed 27 lbs and had been in
trap 2 days and nights.

Found a few fresh coyote traps
but did not get any coyotes. Did not
have time to visit all the baits.

Talked with Charles Cotton, sheep man.

Snow 3 inches in town, 6 inches
outside and a foot on high ridges.
Foggy but warm.

Left Baker at 3:30 PM. reached John Day
at 5:30, over Daley Mountain and
up Burnt River valley, then over
mount to prairie & John Day.
Snow over ridges but all bare ground
in John Day Valley. Warm, foggy
at Baker and over ranges.

Met John Lawrence, trapper at
John Day. Saw one deer and lots of
tracks.

Dec. 14 - John Day & Baker to Burns
John Lawrence, coyote hunter at
John Day came with us to Bear
Valley on head of Selwies River
and went over his patron line.
Got one coyote and 3 others had
come to a dead horse where the
ravens had eaten up all his
fats. Six ravens were still at
the horse and many others over the
valley. Saw a rough leg and a
red tail and one eagle but
no other birds except magpies.

Lots of deer tracks in timber
and some snowshoe rabbits,
both jack rabbits, cottontails and
pygmy rabbits abundant in Bear
Valley. Saw one pygmy and lots of
deer & tracks, eating sage leaves
entirely.

Many old badger holes, some
weasel tracks.

Had lunch at Smea and
reached Burns at 5 P.M.
Found a good hotel at Burns, The
Welcome.

Snow a foot deep in Bear Valley
but clear and sunny part of day.
Very little snow at Burns.

Saw Dr. Hebbard and went
to office of R. M. Durvean to see
3 buffalo skulls from Mathews
Lake bed. He gave me one and
has promised the others to Ray
Conway, manager of Oregon Motors
Association at Portland who
wants to place them in the
state museum at Salem.

Met several stock men but
could not find our trapper.

Kaus - Pinte name for a root, probably
same as eppo - Cann gaiduui -
Honovers - Pinte name for loaves

Mr. Brown says Capt. Louis
at Burns is still living.

He was captured when a boy at
a battle with the Pintes at Card
on Snake Creek

He also tells me that the Pinte
vocabulary by Dr. Moeria has been
recently published by Bu. Ethnology.

Sue, 5, Burns to Mathews Caves
Drove to Crane and then south
and east to Mr. A.E. Browers
ranch a couple of miles beyond
Mathews Caves. Our trapper,
Walter Southland, was off on a
trip and did not return so
we missed him but had a good
visit with Mr. Brower, a sheep
and stock rancher who has been
here since 1884. He knows
Capt. Louis and many others
of the Pinte Indians and much
of the early history of the country.
Gave me many good records
Went through Mathews
Cave with flash light but
could not find a bat.
The cave was damp but warm,
about 55° I should guess.
There is a boat on the water but
we did not go in it.

Saw many ravens, about 17

Magpies - a few

Eagle - 1 dead by telegraph pole

Terrapins roughly - 2

Red tail hawk - 2

Horned larks - 2

Grizzly bear - Skull found in Malheur
Lake near mouth of Selkies River
on dry bed of Lake given me
for B.S. by G. N. Jamison,
Mayor of Burns.

Dec. 16 Burns to Bend,

Took all of forenoon to get buffalo
skulls from dry bed of Malheur
Lake, got 10 and other bones and
sent in big box. Saw many
more bones and skeletons, and
a big perfect skull of old bull
in possession of J. O. Ausmus
at Lawn. He wants to keep it
but may give it to us sometime.
He gave me one good cow skull
and base of horns of elk and
went and showed us where to
find the buffalo skulls.

The lake is almost dry and
thousands of acres are hard and
cracked where the water has gone
down. Some of the buffalo bones were
out near the water, 2 miles from
shore, many others near shore
and some are found out in
the tules on the edges of the lake.

Oct. 4, Mahan's Lake.

Snow Geese, 20000 seen in great flocks
like snowfields on dry lake bed.

Canada geese - 2000 or more seen in
flocks on dry lake bed.

Marsh Mallards, 2000 seen near water
Golden eagles, one or two seen near Burns
and near lake below west of Burns

Bald eagles, one ad. & one yg. near
Lawn, the adult in fiver.

Roughleg hawk, 3 or 4 seen

Red tail, 3 or 4 seen.

Ravens, numerous, 40 or more seen

Magpies, 1 20 or more seen.

Snowy most of way to Bend
but no snow there and clear
at Bend. Cloudy all day at
Burns and lake.

No antelope seen but said
to be common along road.
Country very dry and feed scarce.

Reached Bend at 5:30 P.M.

Made 140 miles in 3 1/2 hours.

40 to 50 miles an hour on good
roads. Road mostly straight,
one stretch of 30 miles as
straight as an arrow.

Therrell's and Jefferson
show big and white in evening.

Spent evening with Tupper E. T.
Halbrook, between Bend and
Redmond.

Redmond -

Eagles 2 seen
Roughlegs, 3 "
Magpies - numerous

Mr. & Mrs. Wilson are very kind
proprietors of the Redmond Hotel
the second best of eastern Oregon
and almost as satisfactory as the
Sagehen at LaGrande.

Dec. 17, Road to Klamath

Went out with Halbrook
to four of his poison stations
but got only one coyote
and one *Peromyscus*, both
dead on the snow near
the sheep carcasses used as
a station. The coyote had
gone 50 yards and the mouse
lay close to a ball of lead
and strychnine on which it
had been nibbling.

A cold morning, 21° F
at Redmond but soon
thawing in the sunshine.

Wonderful views of the
Three Sisters, Jefferson and
other peaks along the Cascades.
Left Redmond at 2 P.M.
and reached Klamath
falls at 4 P.M. Good road
all the way, well scraped.

20
No snow at Redwood or
Bevel but it soon appeared
and from a few inches grew deeper
to a foot in the lodge pole pines
and two feet on the summit at
5604 feet. Then shallow in the
Klamath valley and mostly bare
ground at Klamath Falls.

Klamath Lake about half frozen
over, too deep to see birds.
Stopped at Hotel Hall.

Mr. Hall is a genial proprietor.

Dec. 8 Tule Lake

Hutchings geese, 100,000 on Tule Lake
Cackling geese 200,000 " "
Snow geese 200,000 " "
Canada geese, 2,000 on Char Lake
Ducks 100,000 on Tule Lake
Coots - a dozen in river last P.M.
Dabchick, 1 " " "
Blue heron, 1 shot, Microtus in stomach
Redtail 4 seen
Roughleg 4 " "
Swampson, 2 "
Marsh hawk 3 "
Prairie Falcon 2
Dickcissel 1
Long eared Owl 1
Sparrow hawk 1
Sparrows 2
Robins 200
Solitaires 3
Bluebirds 7
Horned Larks 50
Magpies 20

Dec. 8, Klamath Falls,

Drove over to Bonanza to see
trapper Chas Glasgow
but found he was out on his
trap line. Then drove to
Merrill to see trapper Clint
Conklin but he was out on
his line. Arranged to see
Conklin this evening and to
join Glasgow at 9 in
the morning.

Went down to Tule Lake
below Merrill to see the
geese and ducks and found
both in large numbers.
Got a cackling goose, a snow
goose and great blue heron
for stomachs. The heron had
eaten 1 Microtus montanus.
The cackling goose pigweed seeds
and green stuff. The snow goose.

Klamath to Baranaga Dec 9.

Magpies - 5 or 6

Canada geese 16 flying over

Other geese - big flocks

Coots 2

Robins 200 or more in a flock -
many others among junipers.

Said to stay all winter - known birds
of Juniperus occidentalis -

Myadestes - Many seen in junipers
and heard singing in a soft twitter.

Stay all winter -

Mountain Bluebirds, 6 seen.

Swans - said to be dying in Warner
Lake, 4 found dead. Others can not
fly. Probably starving.

Dec. 9 - Klamath Falls.

Drove to Baranaga to see trapper
Charles Glasgow and found him in the
shed stretching 4 coyote skins he got
yesterday. Went with him to east
end of Valley to several poison stations
but found only one dead Peromyscus,
got his record for 3 years back
and many good notes.

He is a very intelligent young
man, just married last June
to a very pleasant wife and an
excellent cook. We staid to
dinner.

In afternoon saw Capt.
Chas. Applegate and wrote
up all the notes I could
before packing to start
for home in morning.

Dec. 10. Klamath & Alturas & Rivers.
Blue herons - a dozen in ditches in Tule Lake.
Coots, a few near Alturas.
Eagles - 1 at Tule Lake, 1 at Alturas.
Magpies - A few
Blackbirds. Flocks of 5000 at Alturas
Mockers, 20 at Alturas

Fallou, Nev. Dec. 11.

Mule deer head from Kingston
near Austin, Nevada, 8 point buck
head mounted by Anna Bailey Mills.

Very light gray, with black
forehead and nose band and side spots
on lower lip. No median line of black
on lower lip, no black on ears, black
eyering very narrow. White extensive
and very pure, whole face and wide circle
around eyes, ^{almost} pure white, throat, most of
lower lip, and stripes on upper lips pure
white; ears with white edges at base and tip
and white stripes inside.

General color light gray, darkest along nose.

See photo -

Killed Oct. 3, 1930. Forest Ranger
A.R. Jorgenson. Head mounted by Anna R. Mills.
Very pale red with clear black and
white markings like sermious -

Fallon, Nevada, Dec. 11, 1930.

Mule deer buck killed in Hunter Creek
Canyon 12 miles west or SW. of Reno,
killed about Nov. 15, 1913, by
Vernon Mills, a 4 point buck
weighing 140 lbs dressed.

General color of head and neck buffy
brown gray, labials brownish black
along ^{with trip spots in corners of eyes,} ~~wave~~ forehead, heavy eye
ring, nose band and 3 chin stripes
black; face, narrow eye rings,
throat, most of lower lip and narrow
stripes on upper lips white or whitish,
inside of ears mainly white.

top of tail all white but tip.

Not subprimus but nearer to maeroti's in color than to occidentis

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Actual Rise in Soda Lake Shown by Record

That the rise in Soda Lake during the last six years has been only seven and a half feet, instead of sixty, as indicated in an interview published in The Standard last week, is the fact learned from inspection of records at the reclamation office here which has been keeping data on the level of this lake for nearly 23 years.

In all that period, the figures show, the lake has risen 52.2 feet instead of ninety as previously indicated.

The period of most rapid rise of the lake level was between 1920 and 1926 when the gain was 23.2 feet.

During the last five years, the period of least gain, the lake has gained elevation at the rate of about a foot a year. The elevation of the large lake on November, this year, was 3990.3 feet above sea level.

Elevation of the little lake has been about three feet higher for several years. In 1912 the difference in the elevations of the two lakes was eight feet.

Dec 3, 1930
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Dec 3, 1930

Board of Directors

Carson Link is Ignored

The start being made this year toward building the Carson City-Leeteville highway, pioneer stretch of the Lincoln route, is not being continued by the highway department.

Federal aid mileage between Mound House and Leeteville was "borrowed" to complete a job in the eastern part of the state with the understanding that it would be restored as soon as the next allotment of federal aid mileage were made available.

The Carson City-Mound House link of the pioneer trail of the Lincoln highway, which had been retained, had been overlooked by the present state highway department until attention was called thereto by H. R. Mighels of the Carson City Appeal.

The department responded with action in terms of actual construction when its members' attention was called to the oversight.

But the department admits nothing of the "borrowed" mileage from Mound House to Leeteville.

The tentative program for 1931 is making use of an available ten miles of federal aid for use between the city limits of Las Vegas and the Boulder dam site.

Durkee Makes Explanation

His department has been overruled, insofar as mere promises are concerned, by the federal bureau of public roads, says S. C. Durkee, state

Fallon, Nevada,

Soda Lake near Fallon has risen about 60 feet in the past 20 years and is now almost full to the lowest edge of the rim. The water in it is probably 250 feet deep and fairly pure since it has filled up with the rising water table from irrigation.

It fills an old crater or cinder cone of volcanic origin and the cone rises 100 feet above the water nearly around the lake. The lake is about a mile wide and a little longer, never freezes, clear and still and beautiful. Thousands of ducks are in it now and in winter when the shallow lakes freeze over it is the resting place of innumerable ducks, geese, swans and other water birds. It has steep shores and little food for birds but is important for a refuge.

just west and north of it
are dozens of small lakes and
sloughs of recent origin, mostly
not very deep and with sedge borders
where water birds feed and rest
when not being shot at.

Some of these might well be also
included in a refuge as the land
around them is rough sand dunes
and ridges entirely worthless for
any farm purposes. Part of it
is foot land and at the same sections
of railroad land is of little value.
Some has sold for 2 dollars an
acre.

A considerable refuge is being
planned in the Carson Sink
or Stillwater Sink country near
Fallon and Soda Lake and
perhaps some of these other ponds
should be included.

Coyotes about Fallon are rather numerous and kill many sheep and turkeys, often coming into small pastures close to ranch buildings to catch them. One man has been obliged to corral his sheep at night to protect them and thus the coyotes come in and kill them in the pastures during the daytime.

There are so many dogs around that no trapping or poisoning is allowed and only an occasional coyote is shot. The sheep on small farms would add much to the prosperity of this region.

A badger killed a lot of chickens for a neighbor of my sister at Fallon, Nev. and carried into its burrow. When dug out the burrow yielded 27 full grown hens and one badger.

Fallen, Nevada

Jack rabbits are scarce and have been decreasing for over a year. Are much less numerous than last spring but were most numerous a year ago last spring. Some dead rabbits have been seen this last summer.

Coyotes are common and kill sheep and turkeys -

Dec. 12, Fallon, Nevada.

Drove down to the Carson River Sink, away east of Stillwater to see what birds were still there.

The water was mostly frozen over but we could see about 150 swans on the ice in small open spaces and hear a lot more over in the thick where they could not be seen. A few ducks and geese could be seen and heard at a distance but we could not get near them.

The area proposed for a refuge is good waterfowl land and water with extensive breeding grounds for ducks, geese and waders. Cattle must be kept off in the breeding season and probably at all times, so the tall grass and weeds will remain as food and cover.

Dec. 13. On Cam

Daylight came about Hallish Nevada and from there to east of Wells the jack rabbit tracks were exceedingly numerous, tramping the snow down like a harrow along the sides of the track.

After entering Utah I saw no more rabbit tracks or very few for about an hour or until near Montello, Utah, where again numerous.

The tracks were not seen far east of Montello and it seems they are mostly in ranch valleys, where there is grass and sagebrush and *Bigelovia*, not in barren unoccupied stretches of country. They evidently gather where the best food is.

Salt Lake is all open except a little ice along shores.

A few gulls and ravens seen.

Traveling at Ogden but not
much snow on ground. Travelled
all the way to Evanston but
no snow at Green River at
dark. A little snow at Rock
Springs at 9 P.M.

A warm day and very
comfortable in car. No
ice reports all day.

Dec. 14, On N.P. Train

Dawnlight somewhere near
Cheyenne but out in Nebraska
before I got up. All day across
Nebraska and entered Omaha
at dark.

A little snow on ground in
morning but it grew warmer as
we progressed and soon the ground
was bare and cattle grazing out in
pastures, grass and alfalfa show
a touch of green and winter wheat
is green over large fields.
Lots of corn in stacks and piles
on the ground, but more in great
circular woven wire tanks that
must hold 1000 bushels or more.
Some open at the top and some
covered with hay. Much
stock being fed. Good crops
and a rich farm country.

Time slow but smooth and I worked all day.
Omaha at dark.

Dec. 15 To Chicago & east
Arrived at Chicago on
C. M. & St. P. at 7:30 AM,
Left on B. & O. at 10 AM,
No snow last night at Omaha
or the eastern half of Nebraska
but in middle of night there
was snow in Iowa and at
daylight at Elgin 5 or 6 inches
of snow. At Chicago 2 or 3
inches of snow and snowing
fast. Snow tapered off in
southern Indiana and none in
Ohio but ice on ponds.
A little snow met in eastern Ohio
and increasing till after dark
western Pennsylvania.

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[Faint, illegible handwriting on lined paper]

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2, Peter, Heppner

Siminasho (Simewash)